

# 10/034,966

## WEST Search History

DATE: Wednesday, August 06, 2003

Set Name QueryHit Count Set Name

side by side

result set

*DB=PGPB; PLUR=YES; OP=ADJ*

L37	L36 not l29	6	L37
L36	l35 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	7	L36
L35	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) near3 (foamed or foam)) same propellant	10	L35

*DB=JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L34	L33 not l31	10	L34
L33	l32 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	10	L33
L32	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) near3 (foamed or foam )) same propellant	110	L32
L31	l30 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	4	L31
L30	propellant near5 (sorbant or adsorbant or sorbed or adsorbed or sorbing or adsorbing or sorbent or adsorbent)	21	L30

*DB=PGPB; PLUR=YES; OP=ADJ*

L29	propellant near5 (sorbant or adsorbant or sorbed or adsorbed or sorbing or adsorbing or sorbent or adsorbent)	6	L29
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*DB=USPT; PLUR=YES; OP=ADJ*

L28	l27 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	11	L28
L27	propellant near5 (sorbant or adsorbant or sorbed or adsorbed or sorbing or adsorbing or sorbent or adsorbent)	35	L27
L26	(polypropylene adj3 (fiber or fibre or fibrous)) same propellant	3	L26
L25	L23 and (sorbant or adsorbant)	0	L25
L24	L23 and propellant	0	L24
L23	(latex rubber) adj3 (foam or foamed)	37	L23
L22	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foamed )) same (sorbant or adsorbant)	0	L22
L21	L20 not l16	6	L21
L20	l19 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	8	L20
L19	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foamed )) same propellant	11	L19
L18	L17 not l10	1518	L18
L17	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foamed ))	2466	L17

L16	L15 not l9	29	L16
L15	l13 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	30	L15
L14	L13 and l1	60	L14
L13	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foam or open-cell or closed-cell or open cell or closed cell)) same propellant	79	L13
L12	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foam or open-cell or closed-cell or open cell or closed cell)) same (sorbant or adsorbant)	1	L12
L11	((silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foam or open-cell or closed-cell or open cell or closed cell)) same (sorbant or adsorbant) same propellant	0	L11
L10	(silicone or polysiloxane or polybutene or polypropylene or polyethylene or polymer or polymeric) adj3 (foam or open-cell or closed-cell or open cell or closed cell)	13780	L10
L9	l6 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)	77	L9
L8	L7 and gel	68	L8
L7	l6 and l1	188	L7
L6	L5 and propellant	300	L6
L5	((silicone or polysiloxane or polybutene or polypropylene or polyethylene) adj5 (fiber or fibre or fibrous or foam)) or latex rubber or volara or minicel or (latex adj2 sk) or (bf adj2 1000))	26751	L5
L4	L3 and (((silicone or polysiloxane or polybutene or polypropylene or polyethylene) near5 (fiber or fibre or fibrous or foam)) or latex rubber or volara or minicel or (latex adj2 sk) or (bf adj2 1000))	1	L4
L3	L2 and propellant	26	L3
L2	L1 and (sorbant or adsorbant)	363	L2
L1	(aerosol or pressurized or sprayable or spray)	369132	L1

END OF SEARCH HISTORY

ref 054,966

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America.  
NEWS 2 "Ask CAS" for self-help around the clock  
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NEWS 4 Feb 24 TEMA now available on STN  
NEWS 5 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 6 Feb 26 PCTFULL now contains images  
NEWS 7 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 8 Mar 24 PATDPAFULL now available on STN  
NEWS 9 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 10 Apr 11 Display formats in DGENE enhanced  
NEWS 11 Apr 14 MEDLINE Reload  
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 13 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 15 Apr 28 RDISCLOSURE now available on STN  
NEWS 16 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and  
right truncation  
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 22 Jun 06 PASCAL enhanced with additional data  
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 24 Jun 25 HSDB has been reloaded  
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE  
NEWS 26 Jul 21 Identification of STN records implemented  
NEWS 27 Jul 21 Polymer class term count added to REGISTRY  
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and  
Right Truncation available  
NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective  
August 1, 2003  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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FILE 'HOME' ENTERED AT 21:01:43 ON 06 AUG 2003

=> file caplus, kosmet

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=> s propellant (p) (sorbant or adsorbant or sorbed or adsorbed or sorbing or adsorbing or sorben  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ROPELLANT (P) '

L1 48 PROPELLANT (P) (SORBANT OR ADSORBANT OR SORBED OR ADSORBED OR  
SORBING OR ADSORBING OR SORBENT OR ADSORBENT)

=> s l1 and (personal care or cosmetic or shaving or antiperspirant or deodorant or topical)

L2 4 L1 AND (PERSONAL CARE OR COSMETIC OR SHAVING OR ANTIPERSPIRANT  
OR DEODORANT OR TOPICAL)

=> dup rem l2

DUPLICATE IS NOT AVAILABLE IN 'KOSMET'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L2

L3 4 DUP REM L2 (0 DUPLICATES REMOVED)

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L3 IS NOT VALID HERE

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=> d l3 ibib kwic 1-3

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

ACCESSION NUMBER: 2003:133118 CAPLUS

DOCUMENT NUMBER: 138:158875

TITLE: Collagen-containing oral preparations, drugs and quasi  
drugs

INVENTOR(S): Yamashita, Kikuji

PATENT ASSIGNEE(S): Techno Network Shikoku Co., Ltd., Japan

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003013614	A1	20030220	WO 2002-JP7929	20020802
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,			
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			
	GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS,			
	LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,			
	PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,			
	UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,			

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CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

JP 2003119156 A2 20030423 JP 2002-134223 20020509  
JP 2003119157 A2 20030423 JP 2002-147769 20020509  
PRIORITY APPLN. INFO.: JP 2001-237954 A 20010806  
JP 2002-134223 A 20020509  
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Disclosed are oral preps., drugs and quasi drugs which contain  
atelocollagen, fibrous collagen, crosslinked collagen, calcified  
crosslinked collagen, enzymically processed collagen having a mol. wt. of  
300,000 or less, gelatins made up of the resp. collagens or enzymically  
digested or hydrolyzed gelatin as an **adsorbent** for the active  
ingredient. For example, a low-mol.-wt. collagen and clotrimazole were  
blended and freeze-dried. The mixt. was dissolved in 1,3-butylene  
glycol/ethanol and delivered as a spray using LPG **propellant**.  
ST collagen gelatin adsorbent drug **cosmetic** delivery; clotrimazole collagen  
adsorbent spray

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

ACCESSION NUMBER: 2003:511830 CAPLUS  
DOCUMENT NUMBER: 139:73750  
TITLE: **Personal care** products containing propellants  
sorbed and gelled by polymeric sorbants  
INVENTOR(S): Kawam, Antoine; Stafford, Richard E.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 9 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003124080	A1	20030703	US 2001-34966	20011226
WO 2003057181	A1	20030717	WO 2002-US39648	20021211

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,  
RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-34966 A1 20011226  
TI **Personal care** products containing propellants sorbed and gelled by  
polymeric sorbants  
AB The invention provides **personal care** products, such as **shaving**  
creams and antiperspirants, that include, within a pressurized can, a  
**personal care** formulation, a **propellant**, and a **sorbant** that has  
formed a gel with at least a portion of the **propellant**. The **sorbant**  
comprises a partially crosslinked polymer selected from silicones,  
polysiloxanes, polybutenes, polypropylenes, polyethylenes, and latex  
rubbers. The invention also provides methods of manufg. **personal care**  
products. For example, an anionic surfactant-based **shaving** cream was  
prepd. contg. water 83.98%, stearic acid 6.29%, Laureth-23 2.08%, sodium

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lauryl sulfate 0.78%, triethanolamine 3.21%, and BHT 0.02%. An open-celled polysiloxane foam (1 g) was placed in a std. aerosol can, the formulation was added, the can was sealed, and the **propellant** was pressure loaded. After filling, the can was shaken for 5 min at room temp. The dispensed product was a soap foam and hydrocarbon gas. The can contg. the **sorbant** produced a more consistent foam throughout the life of the can than the can that did not include a **sorbant**. In addn., the foam produced by the **sorbant**-contg. product was creamier, richer, easier to spread, and more stable than the foam produced by the non-**sorbant**-contg. product.

- ST polymer foam fiber propellant absorbent **personal care cosmetic**;  
**antiperspirant deodorant** polymer foam fiber propellant absorbent;  
**shaving** prepn polymer foam fiber propellant absorbent
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C16-18; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT Polysiloxanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(D 1RTF7000; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT Silicone rubber, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Poron BF 1000; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT **Shaving** preparations  
(aerosol foams; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT **Shaving** preparations  
(creams; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT Antiperspirants  
Deodorants (personal)  
**Shaving** preparations  
(gels; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT Absorbents  
Gelation  
Latex  
Propellants (sprays and foams)  
(**personal care** products contg. **propellant**  
partially **sorbed** and gelled by polymeric **sorbant**)
- IT Polymers, biological studies  
Polypropene fibers, biological studies  
Salts, biological studies  
Soaps  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(**personal care** products contg. **propellant**  
partially **sorbed** and gelled by polymeric **sorbant**)
- IT Hydrocarbon oils  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(propellants; **personal care** products contg.  
**propellant** partially **sorbed** and gelled by polymeric  
**sorbant**)
- IT Foams  
(**shaving**; **personal care** products contg.

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- propellant partially sorbed and gelled by polymeric sorbant)
- IT Synthetic polymeric fibers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sorbants; **personal care** products contg.  
propellant partially sorbed and gelled by polymeric sorbant)
- IT 24937-78-8  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Volara; **personal care** products contg.  
propellant partially sorbed and gelled by polymeric sorbant)
- IT 78-78-4, Isopentane  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(blowing agent; **personal care** products contg.  
propellant partially sorbed and gelled by polymeric sorbant)
- IT 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 102-71-6, Triethanolamine, biological studies 120-40-1, Lauramide DEA 151-21-3, Sodium lauryl sulfate, biological studies 1643-20-5, Laurylamine oxide 9002-88-4, Polyethylene 9002-92-0, Laureth-23 9003-29-6, Polybutene 9004-73-3, SS 4300C 9016-00-6, Polydimethylsiloxane 25085-53-4, Isotactic polypropylene 31900-57-9, Polydimethylsiloxane 39296-39-4, APACHE 63799-53-1, Prisorine 2034 102767-64-6, Aeron A-31  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(**personal care** products contg. propellant partially sorbed and gelled by polymeric sorbant)

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

## Full Text

ACCESSION NUMBER: 1987:604956 CAPLUS  
DOCUMENT NUMBER: 107:204956  
TITLE: Aerosol dispensing system containing an antiperspirant encapsulated in super-hydrophobic fumed silica  
INVENTOR(S): Burger, Norman D.  
PATENT ASSIGNEE(S): Mardesich, Nicholas A., USA  
SOURCE: U.S., 8 pp. Cont.-in-part of U.S. Ser. No. 193,350.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4680173	A	19870714	US 1981-252306	19810409
PRIORITY APPLN. INFO.:			US 1976-727799	19761001
			US 1977-789639	19770428
			US 1980-193350	19801002

- TI Aerosol dispensing system containing an antiperspirant encapsulated in super-hydrophobic fumed silica
- AB An aerosol system is described for use with conventional containers having a valve-controlled opening and a conventional valve for dispensing antiperspirants. A capillary dip tube is used for increasing the flow rate of the aerosol compns. Hydrocarbon propellants that are safe and nonflammable can be used. A super-hydrophobic powd. fumed SiO<sub>2</sub> is used which can encapsulate H<sub>2</sub>O to prevent contact of this H<sub>2</sub>O with any exposed metal of the container. The antiperspirant may be in aq. soln. and also encapsulated as above. The compn.: Cab-O-Sil EH-5 2.3, Tullanox T500 1.3, cornstarch 30.8, Al chlorohydrate 10.0, iso-Pr myristate 20.0, and

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propellant A46 (propane, isobutane, butane mixt.) 35.6 wt.% was nonflammable and successfully passed the open and closed drum tests. The system takes advantage of higher viscosity formulations to reduce the flammability of hydrocarbon propellants to a safe level. Dispensing rate is controllable.

- ST **antiperspirant** aerosol silica super hydrophobicity; aluminum chlorohydrate **antiperspirant** encapsulation
- IT Encapsulation  
(of water, by super-hydrophobic fumed silica in **antiperspirant** aerosol systems)
- IT 7631-86-9, Silica, biological studies  
RL: BIOL (Biological study)  
(super-hydrophobic powd. fumed, **antiperspirant** aerosol systems contg., as **adsorbent** for hydrocarbon **propellant** and water)

=>